

PRODUCT SPECIFICATIONS FOR 432

ENGINE

Power - Net 69 kW

ENGINE - EU STAGE V (STANDARD)

Torque Rise (net) 48% @ 1,500 rpm

Stroke 120 mm

Note (1) Net power advertised is the power available at the flywheel when the engine is equipped with fan, air cleaner, muffler and alternator.

Net Power Rating at 2,200 rpm - ISO 9249 68 kW/92 hp

Displacement 3.6 l

Net Torque - SAE J1349 436 N·m

Ratings at 2,200 rpm - Gross Power ISO 14396 74 kW/101 hp

Bore 98 mm

Ratings at 2,200 rpm - Gross Power SAE J1995 76 kW/103 hp

Engine C3.6 74.5 kW Electronic Turbo Intercooled

Note (2) No derating required up to 3048 m altitude. Auto derate protects hydraulic and transmission systems.

Net Power Rating at 2,200 rpm - SAE J1349 69 kW/92 hp

Emissions Meets EU Stage V emission standards.

ENGINE - EU STAGE V (OPTIONAL)

Net Power Rating at 2,200 rpm - ISO 9249 76 kW/102 hp

Note (1) Net power advertised is the power available at the flywheel when the engine is equipped with fan, air

cleaner, muffler and alternator.

Torque Rise (net)	48% @ 1,500 rpm
Bore	98 mm
Net Torque - SAE J1349	485 N·m
Ratings at 2,200 rpm - Gross Power ISO 14396	82 kW/111 hp
Stroke	120 mm
Displacement	3.6 l
Ratings at 2,200 rpm - Gross Power SAE J1995	84 kW/114 hp
Note (2)	No derating required up to 3048 m altitude. Auto derate protects hydraulic and transmission systems.
Net Power Rating at 2,200 rpm - SAE J1349	76 kW/103 hp
Engine	C3.6 82 kW Electronic Turbo Intercooled
Emissions	Meets EU Stage V emission standards.

TRANSMISSION - POWERSHIFT TRANSMISSION (STANDARD)

Reverse - 1st	6 km/h
Forward - 1st	6 km/h
Forward - 2nd	9.5 km/h
Reverse - 2nd	12.5 km/h
Forward - 4th	40 km/h
Reverse - 3rd	27.3 km/h
Forward - 3rd	19.8 km/h

TRANSMISSION - AUTO-SHIFT TRANSMISSION (OPTIONAL)

Forward - 6th	40 km/h
Reverse - 1st	6 km/h
Forward - 1st	6 km/h

Forward - 5th	27.3 km/h
Forward - 2nd	9.5 km/h
Forward - 3rd	12.5 km/h
Reverse - 3rd	27.3 km/h
Forward - 4th	19.8 km/h
Reverse - 2nd	12.5 km/h

TRANSMISSION - AUTO-SHIFT TRANSMISSION WITH LOCK-UP TORQUE CONVERTER (OPTIONAL)

Forward - 1st	6 km/h
Reverse - 3rd	27.3 km/h
Reverse - 2nd	12.5 km/h
Forward - 5th	27.3 km/h
Forward - 2nd	9.5 km/h
Forward - 4th	19.8 km/h
Forward - 6th	40 km/h
Reverse - 1st	6 km/h
Forward - 3rd	12.5 km/h

AXLE RATINGS

Rear Axle - Dynamic	7000 kg
Front Axle (AWD) - Dynamic	6000 kg
Rear Axle - Static	13000 kg
Front Axle (AWD) - Static	12000 kg

WEIGHTS

Operating Weight - Nominal	8322 kg
Operating Weight - Maximum	11000 kg
All-Wheel Drive	Standard
Operating Weight	8322 kg
Counterweights - Maximum	485 kg
Operating Weight - Maximum - ROPS Capacity	11000 kg
Loader, IT with Quick Coupler	185 kg
Ride Control	15 kg
4.9 m Extendible Stick - Excluding Front Counterweight	355 kg
Counterweights - Base	115 kg
Air Conditioning	45 kg
4.3 m Extendible Stick - Excluding Front Counterweight	199 kg
MP Bucket (1.03 m³/1.3 yd³) - without Fold-over Forks	611 kg
Total Gross Weight Not to Exceed	11000 kg
Minimum Counterweight Recommendations - Standard Stick - Loader Bucket - No QC - MP	0 kg
Counterweights - Stackable, One	250 kg
Power-Shift Transmission	Standard
Minimum Counterweight Recommendations - Standard Stick - Loader Bucket - IT Loader with QC - MP	485 kg
Cab - ROPS/FOPS	Standard
Minimum Counterweight Recommendations - Standard Stick - Loader Bucket - IT Loader with QC - GP	485 kg
MP Bucket (1.03 m³/1.3 yd³) - with Fold-over Forks	860 kg

MP Bucket (1.03 m³/1.3 yd³) - with Fold-over Forks	660 kg
Minimum Counterweight Recommendations - Extendible Stick - Loader Bucket - IT Loader with QC - MP	485 kg
Minimum Counterweight Recommendations - Extendible Stick - Loader Bucket - No QC - GP	485 kg
Minimum Counterweight Recommendations - Standard Stick - Loader Bucket - No QC - GP	250 kg
Minimum Counterweight Recommendations - Extendible Stick - Loader Bucket - No QC - MP	115 kg
Note	Machine Configuration – HRC 74.5 kW engine; 4.3 m standard stick hoe; standard cab with A/C; AWD powershift transmission; 1.03 m ³ MP loader bucket; 600 mm standard duty hoe bucket; 340/80-18 and 440/80-28 tires; no counterweight; 80 kg operator; full fuel tank.

Minimum Counterweight Recommendations - Extendible Stick - Loader Bucket - IT Loader with QC - GP	485 kg
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HYDRAULIC SYSTEM

System Pressure - Backhoe	250 bar
System Pressure - Loader	250 bar
Pump Capacity @ 2,200 rpm	187 l/min
Type	Closed Center
Pump Type	Variable-Flow, Axial Piston

STEERING

AWD Cylinder, One (1) Double Acting - Rod Diameter	40 mm
AWD Cylinder, One (1) Double Acting - Axle Oscillation	11 mm

AWD Cylinder, One (1) Double Acting - Stroke	106 mm
AWD Cylinder, One (1) Double Acting - Bore	65 mm
Turning Circle - (inner wheel not braked) - Outside Front Wheels	8.205 m
Turning Circle - (inner wheel not braked) - Outside Widest Loader Bucket	10.745 m
Type	Front Wheel
Power Steering	Hydrostatic

SERVICE REFILL CAPACITIES

Cooling System - A/C	18 l
Transmission - Power Shuttle - 2WD	18 l
Rear Axle	16 l
Engine Oil - With Filter	9 l
Hydraulic Tank	42 l
Rear Axle - Planetaries	1.7 l
Fuel Tank	160 l
Front Axle (AWD)	11 l
Front Axle (AWD) - Planetaries	0.7 l
Transmission - Power Shuttle - AWD	18 l
Diesel Exhaust Fluid	19 l
Hydraulic System	95 l
Transmission (Powershift) - AWD	19 l

TRANSMISSION

Note Travel speeds of backhoe loader at full throttle, when equipped with 440/80-28 rear tires.

432 STANDARD EQUIPMENT

CAB ROPS AND FOPS

Cab, Standard

TIRES/STEERING/BRAKES

All Wheel Drive

100% Differential Lock

Hydraulic Boosted Brakes

Tires 26 inch

ENGINE/TRANSMISSION

Engine, C3.6 74.5 kW

Battery, 750 CCA, Standard

Hinged Radiator Pack

Auto Idle

Forward-Neutral-Reverse (FNR) on Loader Lever

Eco Mode

Standard Mode

Standard + Mode

Transmission Neutralizer

Transmission, Four Speed Powershift

CONTROLS

Controls, EH

Pattern Selector (ISO/SAE)

Power Steering, Hydrostatic

HYDRAULICS

Variable Displacement Piston Pump

Side Shift Lock

Hydraulic Oil Cooler

Loader Kickout, Float

Loader Kickout, Return to Dig

Continuous Flow

Programmable Auxiliary Flow

BOOMS, STICKS AND LINKAGES

Stick Standard, 4.3 m

Transport Lock, Swing

Transport Lock, Boom

OTHER ATTACHMENTS

External Tool Box

Transport Tie Downs

ELECTRICAL

Display Screen, Soft Key

Reversing Alarm

Stabilizer Alarm

432 OPTIONAL EQUIPMENT

CAB ROPS AND FOPS

Cab, Deluxe

TIRES/STEERING/BRAKES

Tires 28 inch

ENGINE/TRANSMISSION

Engine, C3.6 82 kW

Battery, 750 CCA, Heavy Duty

Engine Block Heater

Transmission, Six Speed Automatic

Transmission, Six Speed with Lock-Up Torque Converter

HYDRAULICS

Hydraulic Quick Disconnects

Hydraulic Lines, One Way

Hydraulic Lines, Two Way

Powered Side Shift

Ride Control

BOOMS, STICKS AND LINKAGES

Stick Extending, 4.3 m

Stick Extending, 4.9 m

Hoe Quick Coupler, Mechanical

Hoe Quick Coupler, Hydraulic

Loader Quick Coupler, Hydraulic

OTHER ATTACHMENTS

Counterweight, 115 kg

Counterweight, 240 kg

Counterweight, 460 kg

Front Fenders

Street Pads, Stabilizers

ELECTRICAL

Display Screen, Touchscreen

Product Link Cellular

Product Link Satellite

Beacon, Rotating

Beacon, Strobe